

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 05  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: MARK VOTH

Building Number: 05/05A  
 Building Name: STORAGE/CREDIT UNION  
 SEATTLE, WASHINGTON 98134  
 Building Type: STORAGE  
 Year Constructed: 1933

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 53%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
credit union office-at unit handler	00-356389	70%	pipe covering	OMA	3 ft.	4 in. O.D.	HPS/R	40	11	\$27	\$17	\$44
part 5A-along south wall	00-356389	70%	pipe covering	OMA	18 ft.	6 in. O.D.	HPS/R	40	11	\$234	\$146	\$380
part 5A-along south wall	00-356389	70%	pipe covering	OMA	50 ft.	4 in. O.D.	HPS/R	40	11	\$446	\$279	\$725
electrical room-along ceiling	00-356389	70%	pipe covering	OMA	45 ft.	4 in. O.D.	HPS/R	40	11	\$401	\$251	\$652
part 5A-along south wall	05-356390	70%	mjp on pipe covering	OMA	2	6 in. O.D.	HPS/R	40	11	\$77	\$45	\$122
credit union office-at unit handler	05-356390	70%	mjp on pipe covering	OMA	2	4 in. O.D.	HPS/R	40	11	\$56	\$31	\$87
part 5A-along south wall	05-356390	70%	mjp on pipe covering	OMA	14	4 in. O.D.	HPS/R	40	11	\$393	\$219	\$612
electrical room-along ceiling	05-356390	70%	mjp on pipe covering	OMA	7	4 in. O.D.	HPS/R	40	11	\$197	\$109	\$306
	05-356391	50%						40	11			
	05-356392	70%						40	11			
filtration office-north wall-at ceiling	07-356396	10%	mjp on non-suspect pipe cover	OMA	6	4 in. O.D.	HPS/R	40	11	\$169	\$94	\$263
	07-356397	10%						40	11			
	07-356398	10%						40	11			

AREA COMMENTS

AREA # 01 TOTAL \$2,000 \$1,191 \$3,191

The materials are in good condition with minor contact and water damage. The materials are approximately 8' to 20' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 02	AREA DESCRIPTION: 3rd Floor	AREA AVERAGE % ASBESTOS: 33%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
south hall-at stairwell landing	00-356374	60%	pipe covering	OMA	8 ft.	4 in. O.D.	HPS/R	25	111	\$71	\$45	\$116
south hall-at stairwell landing	00-356374	60%	pipe covering	OMA	8 ft.	12 in. O.D.	HPS/R	25	111	\$176	\$135	\$311
south hall-at stairwell landing	03-356382	0%	pipe covering	OMA	8 ft.	10 in. O.D.	RS/R					
south hall-at stairwell landing	03-356383	0%	pipe covering	OMA	8 ft.	12 in. O.D.	RS/R					
	03-356384	0%										

AREA COMMENTS

AREA # 02 TOTAL \$247 \$180 \$427

The material is in good condition with minor contact and water damage. The material is approximately 8' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

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***** AREA NUMBER: 03			AREA DESCRIPTION: 3rd Floor			AREA AVERAGE % ASBESTOS: 37%				*****			
LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS	
part 5-south wall-near floor	00-356374	60%	pipe covering	OMA	125 ft.	4 in. O.D.	HPS/R	25	III	\$1,115	\$697	\$1,812	
part 5-south wall-near floor	00-356374	60%	pipe covering	OMA	65 ft.	12 in. O.D.	HPS/R	25	III	\$1,431	\$1,100	\$2,531	
part 5A-southwest corner-along wall	00-356374	60%	pipe covering	OMA	30 ft.	4 in. O.D.	HPS/R	25	III	\$268	\$167	\$435	
near northwest corner-at ceiling	00-356374	60%	pipe covering	OMA	20 ft.	4 in. O.D.	HPS/R	25	III	\$178	\$112	\$290	
part 5-along west wall-near ceiling	00-356374	60%	pipe covering	OMA	49 ft.	4 in. O.D.	HPS/R	25	III	\$437	\$273	\$710	
part 5-northeast corner-below tank	00-356378	0%	pipe covering	OMA	5 ft.	10 in. O.D.	PL						
part 5-south wall-near floor	01-356375	60%	mjp on pipe covering	OMA	2	12 in. O.D.	HPS/R	25	III	\$152	\$95	\$247	
near northwest corner-at ceiling	01-356375	60%	mjp on pipe covering	OMA	5	4 in. O.D.	HPS/R	25	III	\$140	\$78	\$218	
part 5-along west wall-near ceiling	01-356375	60%	mjp on pipe covering	OMA	4	4 in. O.D.	HPS/R	25	III	\$112	\$62	\$174	
part 5A-southwest corner-along wall	01-356375	60%	mjp on pipe covering	OMA	3	4 in. O.D.	HPS/R	25	III	\$84	\$47	\$131	
part 5-south wall-near floor	01-356375	60%	mjp on pipe covering	OMA	22	4 in. O.D.	HPS/R	25	III	\$618	\$343	\$961	
	01-356376	60%							25 III				
	01-356377	60%							25 III				
part 5-northeast corner-below tank	02-356379	2%	mjp on pipe covering	OMA	1	10 in. O.D.	PL	25	III	\$63	\$39	\$102	
	02-356380	2%							25 III				
	02-356381	10%							25 III				
part 5-along south wall-near floor	03-356382	0%	pipe covering	OMA	65 ft.	10 in. O.D.	RS/R						
part 5-along south wall-near floor	03-356382	0%	pipe covering	OMA	65 ft.	12 in. O.D.	RS/R						
	03-356383	0%											
	03-356384	0%											
AREA COMMENTS										AREA # 03 TOTAL	\$4,598	\$3,013	\$7,611

***** AREA NUMBER: 04			AREA DESCRIPTION: 3rd Floor				AREA AVERAGE % ASBESTOS: %				*****		
LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS	
part 5-northeast corner-hot water tank	00-999999	%	boiler/tank insulation	OMB	175	sq.ft.				\$4,944	\$3,960	\$8,904	

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AREA COMMENTS

AREA # 04 TOTAL \$4,944 \$3,960 \$8,904

The tank is encased in a metal jacket making sample collection impossible. The material is in good condition with no visible contact or water damage. The material is approximately 3' to 10' from the floor. At a minimum, it is recommended that the material be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appeared to be a low traffic area.

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AREA NUMBER: 05

AREA DESCRIPTION: 4th Floor

AREA AVERAGE % ASBESTOS: 49%

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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
part 5A-southwest corner-along ceiling	00-356385	30%	wrapped cardboard/paper pipe	OMA	25 ft. 4 in.	O.D. DW	23	111		\$223	\$139	\$362
part 5-near center-at ceiling	00-356385	30%	wrapped cardboard/paper pipe	OMA	5 ft. 4 in.	O.D. DW	23	111		\$45	\$28	\$73
part 5A-near center-along ceiling	00-356385	30%	wrapped cardboard/paper pipe	OMA	31 ft. 4 in.	O.D. DW	23	111		\$277	\$173	\$450
part 5A-southwest corner-along ceiling	04-356386	72%	mjp on wrapped cardboard/paper	OMA	5 4 in.	O.D. DW	23	111		\$140	\$78	\$218
part 5-near center-at ceiling	04-356386	72%	mjp on wrapped cardboard/paper	OMA	3 4 in.	O.D. DW	23	111		\$84	\$47	\$131
part 5A-near center-along ceiling	04-356386	72%	mjp on wrapped cardboard/paper	OMA	2 4 in.	O.D. DW	23	111		\$56	\$31	\$87
	04-356387	70%					23	111				
	04-356388	70%					23	111				
part 5-near center-at ceiling	06-356393	30%	mjp on non-suspect pipe cover	OMA	2 8 in.	O.D. DR	23	111		\$96	\$57	\$153
	06-356394	30%					23	111				
	06-356395	30%					23	111				

AREA COMMENTS

AREA # 05 TOTAL \$921 \$553 \$1,474

The materials are in good condition with minor contact and water damage. The materials are approximately 10' to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

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AREA NUMBER: 06

AREA DESCRIPTION: 5th Floor-Part 5

AREA AVERAGE % ASBESTOS: 43%

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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
SE room-near southwest corner-along wall	00-356455	50%	pipe covering	OMA	17 ft. 4 in.	O.D. HPS/R	25	111		\$152	\$95	\$247
west room-southeast corner-along wall	00-356455	50%	pipe covering	OMA	7 ft. 4 in.	O.D. HPS/R	25	111		\$62	\$39	\$101
paint storage-north wall-near ceiling	00-356455	50%	pipe covering	OMA	12 ft. 4 in.	O.D. HPS/R	25	111		\$107	\$67	\$174
west room-along east wall-near ceiling	00-356455	50%	pipe covering	OMA	37 ft. 4 in.	O.D. HPS/R	25	111		\$330	\$206	\$536
north hall-along ceiling	00-356455	50%	pipe covering	OMA	21 ft. 4 in.	O.D. HPS/R	25	111		\$187	\$117	\$304
north hall-along north wall	00-356455	50%	pipe covering	OMA	12 ft. 4 in.	O.D. HPS/R	25	111		\$107	\$67	\$174
west room-along east wall-near ceiling	00-356459	20%	wrapped cardboard/paper pipe	OMA	24 ft. 4 in.	O.D. DW	25	111		\$214	\$134	\$348
north hall-along ceiling	00-356459	20%	wrapped cardboard/paper pipe	OMA	8 ft. 6 in.	O.D. DW	25	111		\$104	\$65	\$169

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north hall-along ceiling	00-356459	20%	wrapped cardboard/paper pipe	OMA	8 ft. 4 in. O.D.	DW	25	111	\$71	\$45	\$116
west room-along east wall-near ceiling	00-356459	20%	wrapped cardboard/paper pipe	OMA	15 ft. 6 in. O.D.	DW	25	111	\$195	\$122	\$317
north hall-along ceiling	09-356456	42%	mjp on pipe covering	OMA	5 4 in. O.D.	HPS/R	25	111	\$140	\$78	\$218
paint storage-north wall-near ceiling	09-356456	42%	mjp on pipe covering	OMA	2 4 in. O.D.	HPS/R	25	111	\$56	\$31	\$87
west room-along east wall-near ceiling	09-356456	42%	mjp on pipe covering	OMA	6 4 in. O.D.	HPS/R	25	111	\$169	\$94	\$263
SE room-near southwest corner-along wall	09-356456	42%	mjp on pipe covering	OMA	1 4 in. O.D.	HPS/R	25	111	\$28	\$16	\$44
	09-356457	52%					25	111			
	09-356458	42%					25	111			
west room-along east wall-near ceiling	10-356460	52%	mjp on wrapped cardboard/paper	OMA	2 6 in. O.D.	DW	25	111	\$77	\$45	\$122
west room-along east wall-near ceiling	10-356460	52%	mjp on wrapped cardboard/paper	OMA	2 4 in. O.D.	DW	25	111	\$56	\$31	\$87
north hall-along ceiling	10-356460	52%	mjp on wrapped cardboard/paper	OMA	1 4 in. O.D.	DW	25	111	\$28	\$16	\$44
north hall-along ceiling	10-356460	52%	mjp on wrapped cardboard/paper	OMA	1 6 in. O.D.	DW	25	111	\$39	\$23	\$62
	10-356461	52%					25	111			
	10-356462	40%					25	111			

AREA COMMENTS

The materials are in good to fair condition with minor contact and water damage. The materials are up to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 06 TOTAL \$2,122 \$1,291 \$3,413

\*\*\*\*\* AREA NUMBER: 07

AREA DESCRIPTION: 6th Floor

AREA AVERAGE % ASBESTOS: 45%

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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southwest room-along east wall	00-356451	52%	pipe covering	OMA	4 ft. 4 in.	O.D.	HPS/R	23 111	\$36	\$22	\$58
southwest room-along east wall	08-356452	42%	mjp on pipe covering	OMA	1 4 in.	O.D.	HPS/R	23 111	\$28	\$16	\$44
	08-356453	42%						23 111			
	08-356454	42%						23 111			

AREA COMMENTS

The materials are in good to fair condition with minor contact and water damage. The materials are from floor level to 4' high. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 07 TOTAL \$64 \$38 \$102

BUILDING # 05 TOTAL \$14,896 \$10,226 \$25,122